

AMENDMENTS TO THE SPECIFICATION

IN THE SPECIFICATION:

Please replace the paragraph staring at page 22, line 14 with the following amended paragraph:

Embodiments of the present invention include but are not limited to the following photoluminescent ligand species: 4-aminosulfonyl [1-(4-N(5-fluoresceinylthioureido)butyl)] benzamide, ABD-F (7-fluorobenz-2-oxa-1,3-diazole-4-sulfonamide) β -Mercaptoethanol Adduct (*i.e.*, 4-(2-hydroxyethylthio)-7-aminosulfonyl-2,1,3-benzoxadiazole), dansylamide, hydroxynaphthalenesulphonamide, 2-(3 methoxy-4-ethoxyphenyl)-4-chloroquinoline-6-sulfonamide, N-(1-anthracenyl)-4-sulfonamido-benzenesulfonamide, ethyl-2-(4-sulfonamidophenyl)-4-hydroxyquinoline-6-carboxylate and N-(N'-(4'sulfamoylglutaranily-amidoethyl))-4-amino-3,6-disulfo-1,8-naphthalimide.

IN THE ABSTRACT:

Please replace the Abstract currently of record with the enclosed new Abstract of the Disclosure.